RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/675,828**

DATE: 05/31/2001
TIME: 11:01:16

Input Set : **C:\PAOLA\09675828.txt**
Output Set: **C:\CRF3\05312001\I675828.raw**

SEQUENCE LISTING
```
 3 (1) GENERAL INFORMATION:
 4     (i) APPLICANT: Thomas J. Cummins, Susan M. Atwood
 5                    Lynn Bergmeyer, John B. Findlay
 6                    John W.H. Sutherland, JoAnne H. Kerschner
 8    (ii) TITLE OF INVENTION: DIAGNOSTIC COMPOSITIONS, ELEMENTS,
 9                             METHODS AND TEST KITS FOR
10                             AMPLIFICATION AND DETECTION OF TWO
11                             OR MORE TARGET DNA'S USING PRIMERS
W--> 12                        HAVING MATCHED MELTING TEMPERATURES
14   (iii) NUMBER OF SEQUENCES: 65
16    (iv) CORRESPONDENCE ADDRESS:
17         (A) ADDRESSEE: Eastman Kodak Company, Patent Legal Staff
18         (B) STREET: 343 State Street
19         (C) CITY: Rochester
20         (D) STATE: New York
21         (E) COUNTRY: U.S.A.
22         (F) ZIP: 14650 - 2201
23     (v) COMPUTER READABLE FORM:
24         (A) MEDIUM TYPE: Diskette, 3.5inch, 1.44 MB storage (IBM)
25         (B) COMPUTER: IBM PS/2
26         (C) OPERATING SYSTEM: MS-DOS Version 3.3
27         (D) SOFTWARE: PC-8 (Word for Windows)
28    (vi) CURRENT APPLICATION DATA:
C--> 29        (A) APPLICATION NUMBER: US/09/675,828
C--> 30        (B) FILING DATE: 29-Sep-2000
31         (C) CLASSIFICATION:
32   (vii) PRIOR APPLICATION DATA:
33         (A) APPLICATION NUMBER: 08/062,023
34         (B) FILING DATE:
36  (viii) ATTORNEY/AGENT INFORMATION:
37         (A) NAME: Tucker, J. Lanny
38         (B) REGISTRATION NUMBER: 27,678
39         (C) REFERENCE/DOCKET NUMBER: 67271A
40    (ix) TELECOMMUNICATION INFORMATION:
41         (A) TELEPHONE: (716) 722-9332
42         (B) TELEFAX: (716) 477-4646
44 (2) INFORMATION FOR SEQ ID NO: 1:
45     (i) SEQUENCE CHARACTERISTICS:
46         (A) LENGTH: 28 nucleotides
47         (B) TYPE: Nucleic acid
48         (C) STRANDEDNESS: Single
49         (D) TOPOLOGY: Linear
W--> 50    (ii) MOLECULE TYPE: Primer for HIV-I DNA
51   (iii) HYPOTHETICAL: No
52    (iv) ANTI-SENSE: No
53    (vi) ORIGINAL SOURCE:
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ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/675,828

DATE: 05/31/2001
TIME: 11:01:16

Input Set : C:\PAOLA\09675828.txt
Output Set: C:\CRF3\05312001\I675828.raw

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 56       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 58 AGTGGGGGGA CATCAAGCAG CCATGCAA   28
 62 (2) INFORMATION FOR SEQ ID NO: 2:
 63        (i) SEQUENCE CHARACTERISTICS:
 64            (A) LENGTH: 28 nucleotides
 65            (B) TYPE: Nucleic acid
 66            (C) STRANDEDNESS: Single
 67            (D) TOPOLOGY: Linear
W--> 68      (ii) MOLECULE TYPE: Primer for HIV-I DNA
 69      (iii) HYPOTHETICAL: No
 70       (iv) ANTI-SENSE: No
 71       (vi) ORIGINAL SOURCE:
 72      (vii) IMMEDIATE SOURCE:
 73        (x) PUBLICATION INFORMATION:
 74       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 76 TTCCTGCTAT GTCACTTCCC CTTGGTTC   28
 78 (2) INFORMATION FOR SEQ ID NO: 3:
 79        (i) SEQUENCE CHARACTERISTICS:
 80            (A) LENGTH: 28 nucleotides
 81            (B) TYPE: Nucleic acid
 82            (C) STRANDEDNESS: Single
 83            (D) TOPOLOGY: Linear
W--> 84      (ii) MOLECULE TYPE: Primer for HIV-I DNA
 85      (iii) HYPOTHETICAL: No
 86       (iv) ANTI-SENSE: No
 87       (vi) ORIGINAL SOURCE:
 88      (vii) IMMEDIATE SOURCE:
 89        (x) PUBLICATION INFORMATION:
 90       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 92 TAGCACCCAC CAGGGCAAAG AGAAGAGT   28
 96 (2) INFORMATION FOR SEQ ID NO: 4:
 97        (i) SEQUENCE CHARACTERISTICS:
 98            (A) LENGTH: 28 nucleotides
 99            (B) TYPE: Nucleic acid
100            (C) STRANDEDNESS: Single
101            (D) TOPOLOGY: Linear
W--> 102     (ii) MOLECULE TYPE: Primer for HIV-I DNA
103      (iii) HYPOTHETICAL: No
104       (iv) ANTI-SENSE: No
105       (vi) ORIGINAL SOURCE:
106      (vii) IMMEDIATE SOURCE:
107        (x) PUBLICATION INFORMATION:
108       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
110 AGATGCTGTT GCGCCTCAAT AGCCCTCA   28
112 (2) INFORMATION FOR SEQ ID NO: 5:
113        (i) SEQUENCE CHARACTERISTICS:
114            (A) LENGTH: 26 nucleotides
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RAW SEQUENCE LISTING

PATENT APPLICATION: **US/09/675,828**

DATE: 05/31/2001

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Input Set : **C:\PAOLA\09675828.txt**

Output Set: **C:\CRF3\05312001\I675828.raw**

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115              (B) TYPE: Nucleic acid
116              (C) STRANDEDNESS: Single
117              (D) TOPOLOGY: Linear
W--> 118      (ii) MOLECULE TYPE: Primer for HIV-I DNA
119       (iii) HYPOTHETICAL: No
120       (iv) ANTI-SENSE: No
121       (vi) ORIGINAL SOURCE:
122      (vii) IMMEDIATE SOURCE:
123        (x) PUBLICATION INFORMATION:
124       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
126 CTTGGTTCTC TCATCTGGCC TGGTGC  26
130 (2) INFORMATION FOR SEQ ID NO: 6:
131        (i) SEQUENCE CHARACTERISTICS:
132              (A) LENGTH: 28 nucleotides
133              (B) TYPE: Nucleic acid
134              (C) STRANDEDNESS: Single
135              (D) TOPOLOGY: Linear
W--> 136      (ii) MOLECULE TYPE: Probe for HIV-I DNA
137       (iii) HYPOTHETICAL: No
138       (iv) ANTI-SENSE: No
139       (vi) ORIGINAL SOURCE:
140      (vii) IMMEDIATE SOURCE:
141        (x) PUBLICATION INFORMATION:
142       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
144   GAGACCATCA ATGAGGAAGC TGCAGAAT  28
146 (2) INFORMATION FOR SEQ ID NO: 7:
147        (i) SEQUENCE CHARACTERISTICS:
148              (A) LENGTH: 28 nucleotides
149              (B) TYPE: Nucleic acid
150              (C) STRANDEDNESS: Single
151              (D) TOPOLOGY: Linear
W--> 152      (ii) MOLECULE TYPE: Probe for HIV-I DNA
153       (iii) HYPOTHETICAL: No
154       (iv) ANTI-SENSE: No
155       (vi) ORIGINAL SOURCE:
156      (vii) IMMEDIATE SOURCE:
157        (x) PUBLICATION INFORMATION:
158       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
160 GTGCAGCAGC AGAACAATTT GCTGAGGG  28
164 (2) INFORMATION FOR SEQ ID NO: 8:
165        (i) SEQUENCE CHARACTERISTICS:
166              (A) LENGTH: 30 nucleotidses
167              (B) TYPE: Nucleic acid
168              (C) STRANDEDNESS: Single
169              (D) TOPOLOGY: Linear
W--> 170      (ii) MOLECULE TYPE: Nonsense probe
171       (iii) HYPOTHETICAL: No
172       (iv) ANTI-SENSE: No
173       (vi) ORIGINAL SOURCE:
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174     (vii) IMMEDIATE SOURCE:
175       (x) PUBLICATION INFORMATION:
176      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
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180 (2) INFORMATION FOR SEQ ID NO: 9:
181       (i) SEQUENCE CHARACTERISTICS:
182           (A) LENGTH: 41 nucleotides
183           (B) TYPE: Nucleic acid
184           (C) STRANDEDNESS: Single
185           (D) TOPOLOGY: Linear
W--> 186     (ii) MOLECULE TYPE: Oligonucleotide from HIV-I DNA
187     (iii) HYPOTHETICAL: No
188      (iv) ANTI-SENSE: No
189      (vi) ORIGINAL SOURCE:
190     (vii) IMMEDIATE SOURCE:
191       (x) PUBLICATION INFORMATION:
192      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
194 ATCCTGGGAT TAAATAAAAT AGTAAGAATG TATAGCCCTA C   41
197 (2) INFORMATION FOR SEQ ID NO: 10:
198       (i) SEQUENCE CHARACTERISTICS:
199           (A) LENGTH: 25 nucleotides
200           (B) TYPE: Nucleic acid
201           (C) STRANDEDNESS: Single
202           (D) TOPOLOGY: Linear
W--> 203     (ii) MOLECULE TYPE: Primer for hCMV DNA
204     (iii) HYPOTHETICAL: No
205      (iv) ANTI-SENSE: No
206      (vi) ORIGINAL SOURCE:
207     (vii) IMMEDIATE SOURCE:
208       (x) PUBLICATION INFORMATION:
209      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
211 TGCACTGCCA GGTGCTTCGG CTCAT    25
213 (2) INFORMATION FOR SEQ ID NO: 11:
214       (i) SEQUENCE CHARACTERISTICS:
215           (A) LENGTH: 25 nucleotides
216           (B) TYPE: Nucleic acid
217           (C) STRANDEDNESS: Single
218           (D) TOPOLOGY: Linear
W--> 219     (ii) MOLECULE TYPE: Primer for hCMV DNA
220     (iii) HYPOTHETICAL: No
221      (iv) ANTI-SENSE: No
222      (vi) ORIGINAL SOURCE:
223     (vii) IMMEDIATE SOURCE:
224       (x) PUBLICATION INFORMATION:
225      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
227 CACCACGCAG CGGCCCTTGA TGTTT    25
231 (2) INFORMATION FOR SEQ ID NO: 12:
232       (i) SEQUENCE CHARACTERISTICS:
233           (A) LENGTH: 30 nucleotides
```

```
         234          (B)  TYPE: Nucleic acid
         235          (C)  STRANDEDNESS: Single
         236          (D)  TOPOLOGY: Linear
W--> 237     (ii) MOLECULE TYPE: Probe for hCMV DNA
         238    (iii) HYPOTHETICAL: No
         239    (iv)  ANTI-SENSE: No
         240    (vi)  ORIGINAL SOURCE:
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         249          (A)  LENGTH: 30 nucleotides
         250          (B)  TYPE: Nucleic acid
         251          (C)  STRANDEDNESS: Single
         252          (D)  TOPOLOGY: Linear
W--> 253     (ii) MOLECULE TYPE: Primer for HIV-I DNA
         254    (iii) HYPOTHETICAL: No
         255    (iv)  ANTI-SENSE: No
         256    (vi)  ORIGINAL SOURCE:
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         261 CCTGCTATGT CACTTCCCCT TGGTTCTCTC   30
         265 (2) INFORMATION FOR SEQ ID NO: 14:
         266      (i) SEQUENCE CHARACTERISTICS:
         267          (A)  LENGTH: 27 nucleotides
         268          (B)  TYPE: Nucleic acid
         269          (C)  STRANDEDNESS: Single
         270          (D)  TOPOLOGY: Linear
W--> 271     (ii) MOLECULE TYPE: Primer for HIV-II DNA
         272    (iii) HYPOTHETICAL: No
         273    (iv)  ANTI-SENSE: No
         274    (vi)  ORIGINAL SOURCE:
         275    (vii) IMMEDIATE SOURCE:
         276     (x)  PUBLICATION INFORMATION:
         277    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO: 14:
         279 AAGTAGACCA ACAGCACCAC CTAGCGG    27
         281 (2) INFORMATION FOR SEQ ID NO: 15:
         282      (i) SEQUENCE CHARACTERISTICS:
         283          (A)  LENGTH: 29 nucleotides
         284          (B)  TYPE: Nucleic acid
         285          (C)  STRANDEDNESS: Single
         286          (D)  TOPOLOGY: Linear
W--> 287     (ii) MOLECULE TYPE: Primer for HIV-II DNA
         288    (iii) HYPOTHETICAL: No
         289    (iv)  ANTI-SENSE: No
         290    (vi)  ORIGINAL SOURCE:
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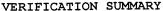
VERIFICATION SUMMARY
PATENT APPLICATION: US/09/675,828

DATE: 05/31/2001
TIME: 11:01:17

Input Set : C:\PAOLA\09675828.txt
Output Set: C:\CRF3\05312001\I675828.raw

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L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:12 M:259 W: Allowed number of lines exceeded, (ii) TITLE OF INVENTION:
L:56 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=1
L:50 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/675,828**

DATE: 05/31/2001
TIME: 11:01:17

Input Set : **C:\PAOLA\09675828.txt**
Output Set: **C:\CRF3\05312001\I675828.raw**

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VERIFICATION SUMMARY   DATE: 05/31/2001
PATENT APPLICATION: **US/09/675,828**   TIME: 11:01:17

Input Set : **C:\PAOLA\09675828.txt**
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L:1105 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=62
L:1099 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=62
L:1121 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=63
L:1115 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=63
L:1139 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=64
L:1133 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=64
L:1155 M:246 W: Invalid value of Alpha Sequence Header Field, [FEATURE:], SeqNo=65
L:1149 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=65
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